Contents of volume

Volume 56, Number 1, March 2001

1 *A. W. Lenssen, J. D. Banfield and S. D. Cash*
The influence of trichome density on the drying rate of alfalfa forage

10 *M. N. Callow, J. E. Baker and G. M. Hough*
The effect of accumulation period and harvest date in spring on dry-matter yield and forage quality in mixed swards containing *Lolium* spp. and *Trifolium subterraneum* in Western Australia

21 *A. J. Parsons, S. Schwinning and P. Carrère*
Plant growth functions and possible spatial and temporal scaling errors in models of herbivory

35 *E. D. Ungar, N. Ravid and I. Bruckental*
Bite dimensions for cattle grazing herbage at low levels of depletion

46 *R. C. Binnie, C. S. Mayne and A. S. Laidlaw*
The effects of rate and timing of application of fertilizer nitrogen in late summer on herbage mass and chemical composition of perennial ryegrass swards over the winter period in Northern Ireland

57 *R. G. Pulido and J. D. Leaver*
Quantifying the influence of sward height, concentrate level and initial milk yield on the milk production and grazing behaviour of continuously stocked dairy cows

68 *R. J. Dewhurst, N. D. Scollan, S. J. Youell, J. K. S. Tweed and M. O. Humphreys*
Influence of species, cutting date and cutting interval on the fatty acid composition of grasses

75 *F. Driehuis and P. G. van Wikselaar*
Determination of microbial protein in perennial ryegrass silage

84 *F. E. A. Wilson, B. M. R. Harvey, J. H. McAdam and D. W. H. Walton*
The response of Whitegrass [*Cortaderia pilosa* (D'Urv.) Hack.] to nitrogen nutrition

92 *R. F. Weller and A. Cooper*
Seasonal changes in the crude protein concentration of mixed swards of white clover/perennial ryegrass grown without fertilizer N in an organic farming system in the United Kingdom (Research Note)

96 Book Review

Volume 56, Number 2, June 2001

97 *N. C. Turner, C. J. Thomson and H. M. Rawson*
Effect of temperature on germination and early growth of subterranean clover, capeweed and Wimmera ryegrass

105 *M. Fothergill, D. A. Davies and C. T. Morgan*
Extensification of grassland use in the Welsh uplands: sheep performance in years 1–6

118 *P. Carrère, F. Louault, P. C. De Faccio Carvalho, M. Lafarge and J. F. Soussana*
How does the vertical and horizontal structure of a perennial ryegrass and white clover sward influence grazing?

131 *P. Petrov and R. H. Marrs*
The reclamation of bracken-dominated pastures in Bulgaria using asulam and fertilizers

138 *I. A. Wright, J. R. Jones and A. J. Parsons*
Effects of grazing by sheep or cattle on sward structure and subsequent performance of weaned lambs

151 *M. D. Fraser, A. Winters, R. Fychan, D. R. Davies and R. Jones*
The effect of harvest date and inoculation on the yield, fermentation characteristics and feeding value of kale silage

162 *A. Córdoba, L. García Seffino, H. Moreno, C. Arias, K. Grunberg, A. Zenoff and E. Taleisnik*
Characterization of the effect of high salinity on roots of *Chloris gayana* Kunth: carbohydrate and lipid accumulation and growth

169 *J. P. Frost and R. C. Binnie*
Effect of herbage mass per unit area and conditioning treatment on herbage drying rate

181 *A. L. Winters, R. Fychan and R. Jones*
Effect of formic acid and a bacterial inoculant on the amino acid composition of grass silage and on animal performance

193 *E. Haugland and M. Tawfiq*
Root and shoot competition between established grass species and newly sown seedlings during spring growth

200 Book Reviews

204 Announcement

Volume 56, Number 3, September 2001

205 *P. Loiseau, J.-F. Soussana, F. Louault and R. Delpy*
Soil N contributes to the oscillations of the white clover content in mixed swards of perennial ryegrass under conditions that simulate grazing over five years

218 *M. D. Fraser, R. Fychan and R. Jones*
The effect of harvest date and inoculation on the yield, fermentation characteristics and feeding value of forage pea and field bean silages

231 *T. A. Williams, M. T. Abberton, W. Thornley and I. Rhodes*
Relationships between the yield of perennial ryegrass and of small-leaved white clover under cutting or continuous grazing by sheep

238 *N. H. Yarrow and P. D. Penning*
The liveweight gain of Limousin x Friesian heifers grazing perennial ryegrass/white clover swards of different clover content and the effects of their grazing on sward botanical composition

249 *O. Niemeläinen, L. Jauhiainen and E. Miettinen*
Yield profile of tall fescue (*Festuca arundinacea*) in comparison with meadow fescue (*F. pratensis*) in Finland

259 *H. J. Sayers and C. S. Mayne*
Effect of early turnout to grass in spring on dairy cow performance

268 *A. Herrmann and G. A. Schachtel*
OSYAQ, an organ-specific growth model for forage grasses

285 *P. G. Jefferson, T. Lawrence and G. A. Kielly*
Divergent recurrent selection for seedling tiller number in Altai wildrye

294 *P. Virkajärvi and K. Järvenranta*
Leaf dynamics of timothy and meadow fescue under Nordic conditions

305 *T. J. Gilliland and R. L. Mann*
The silage yield potential of hybrid ryegrass over a 5-year period in Northern Ireland relative to other ryegrasses and timothy

311 *K. A. Leach and A. Hameleers*
The effects of a foliar spray containing phosphorus and zinc on the development, composition and yield of forage maize (Research Note)

316 Announcement

Volume 56, Number 4, December 2001

317 *J. Eriksen*
Implications of grazing by sows for nitrate leaching from grassland and the succeeding cereal crop

323 *J. S. Fehmi, E. A. Laca and K. J. Rice*
The effect of small gaps in California annual grassland on above-ground biomass production

330 *F. Driehuis, S. J. W. H. Oude Elferink and P. G. Van Wikselaar*
Fermentation characteristics and aerobic stability of grass silage inoculated with *Lactobacillus buchneri*, with or without homofermentative lactic acid bacteria

344 *M. G. Agnusdei and A. Mazzanti*
Frequency of defoliation of native and naturalized species of the Flooding Pampas (Argentina)

352 *R. J. Orr, S. M. Rutter, P. D. Penning and A. J. Rook*
Matching grass supply to grazing patterns for dairy cows

362 *P. D. Barrett, A. S. Laidlaw, C. S. Mayne and H. Christie*
Pattern of herbage intake rate and bite dimensions of rotationally grazed dairy cows as sward height declines

374 *F. L. Mould, G. Hervás, E. Owen, T. R. Wheeler, N. O. Smith and R. J. Summerfield*
The effect of cultivar on the rate and extent of combining pea straw degradability examined *in vitro* using the Reading Pressure Technique

383 *L. A. Miller, J. M. Moorby, D. R. Davies, M. O. Humphreys, N. D. Scollan, J. C. MacRae and M. K. Theodorou*
Increased concentration of water-soluble carbohydrate in perennial ryegrass (*Lolium perenne* L.): milk production from late-lactation dairy cows

395 *J. Lloveras and I. Iglesias*
Morphological development and forage quality changes in crimson clover (*Trifolium incarnatum* L.)

405 *M. G. Porter and R. S. Murray*
The volatility of components of grass silage on oven drying and the inter-relationship between dry-matter content estimated by different analytical methods

412 *T. A. Williams, M. T. Abberton, W. Thornley and I. Rhodes*
No relationship between leaf size and yield in medium leaf size white clover varieties under rotational sheep grazing and cutting (Research Note)

418 *S. P. Wang, Y. F. Wang, Z. Z. Chen, E. Schnug and S. Haneklaus*
Sulphur concentration of soils and plants and its requirement for ruminants in the Inner Mongolia steppe of China (Research Note)

423 Author Index

426 List of Referees

427 BGS Council 2001–2002

428 Announcement